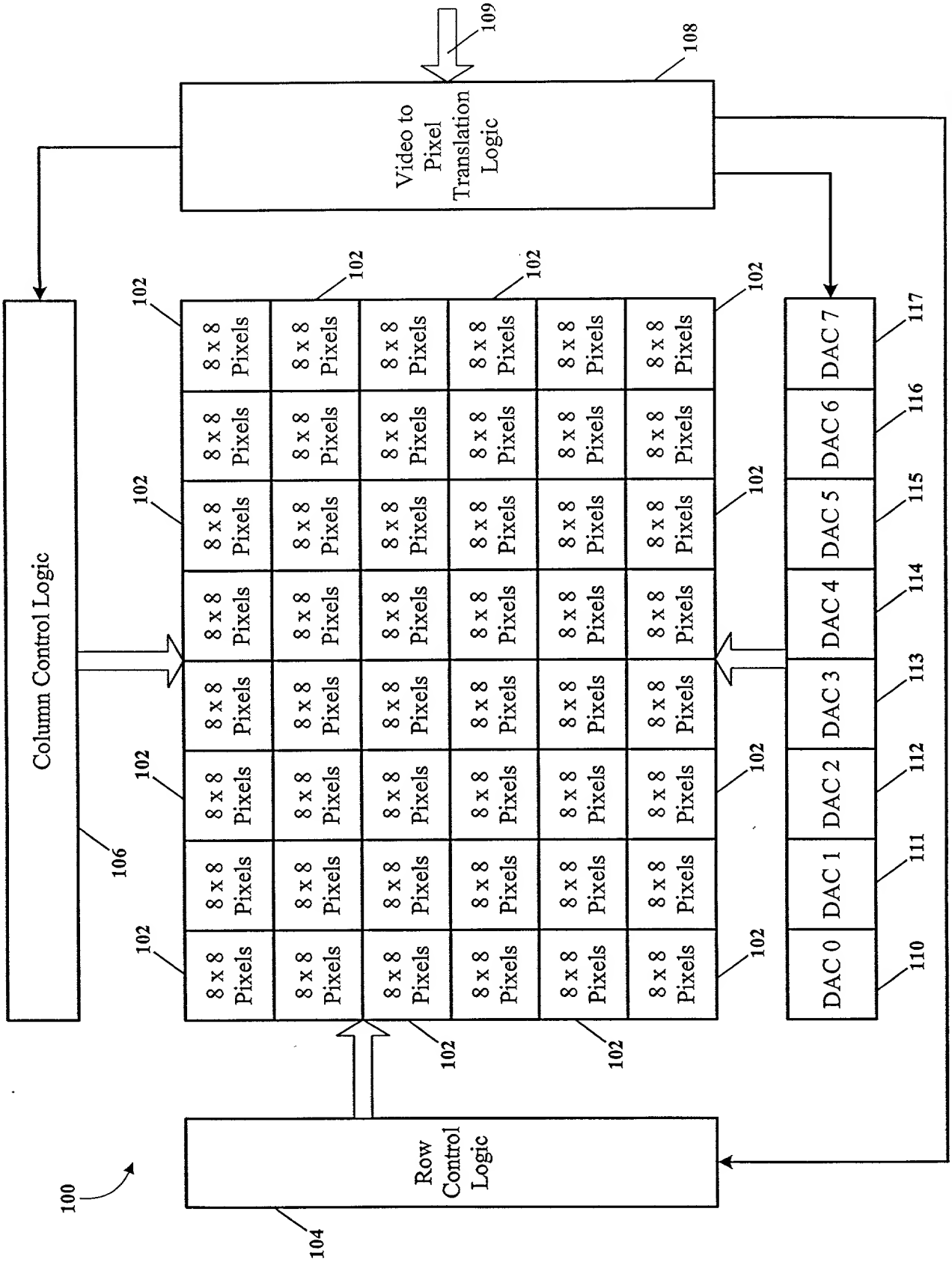
100
Row Control Logic
104
Column Control Logic
106
Video to Pixel Translation Logic
108
109
8 x 8 Pixels
102
DAC 0
DAC 1
DAC 2
DAC 3
DAC 4
DAC 5
DAC 6
DAC 7
110
111
112
113
114
115
116
117

FIGURE 1

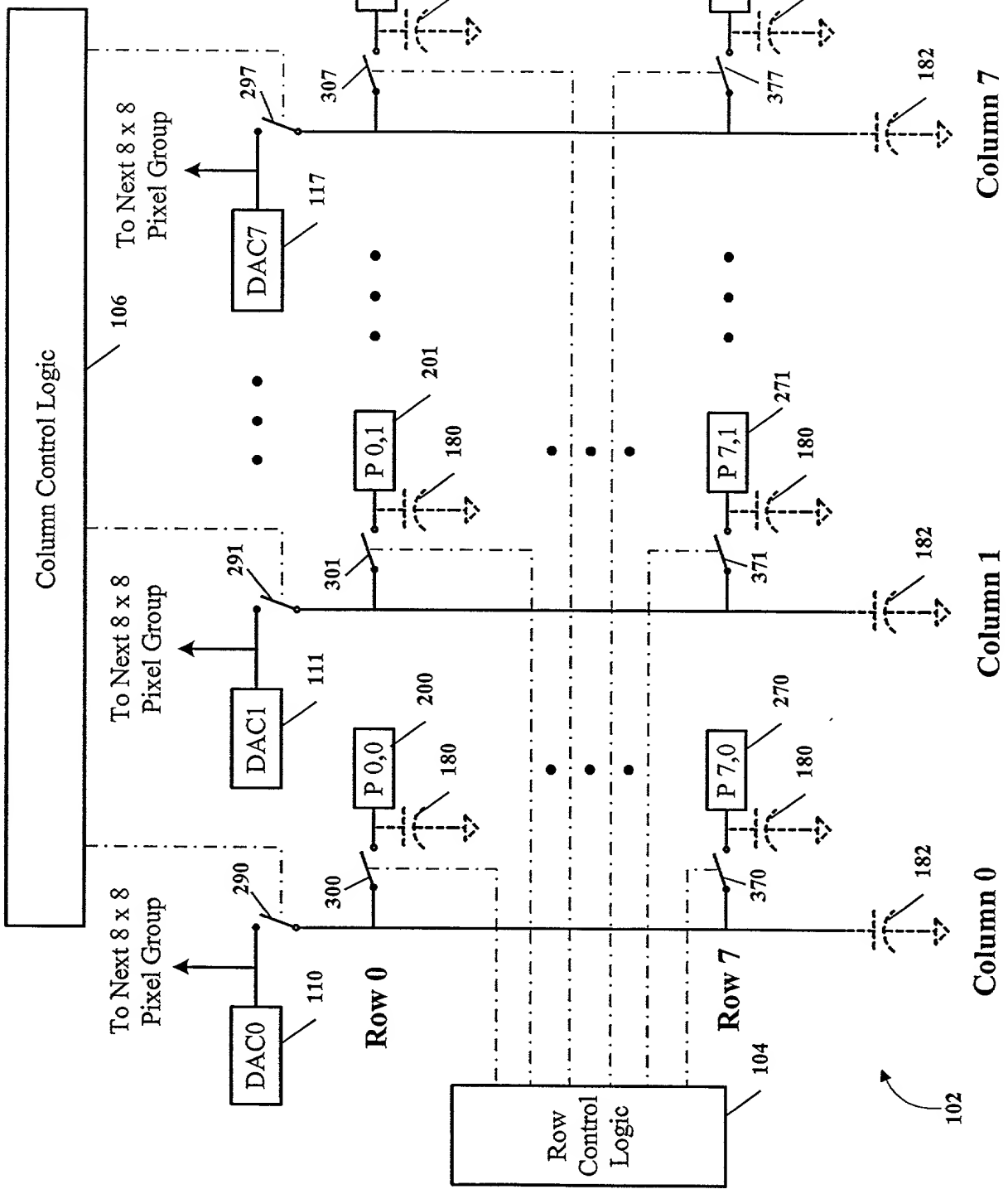
Column Control Logic
106
To Next 8 x 8 Pixel Group
To Next 8 x 8 Pixel Group
To Next 8 x 8 Pixel Group
DAC0
DAC1
DAC7
110
111
117
290
291
297
300
301
307
P 0,0
P 0,1
P 0,7
P 7,0
P 7,1
P 7,7
200
201
207
270
271
277
180
182
370
371
377
Row 0
Row 7
Column 0
Column 1
Column 7
Row Control Logic
104
102

FIGURE 2

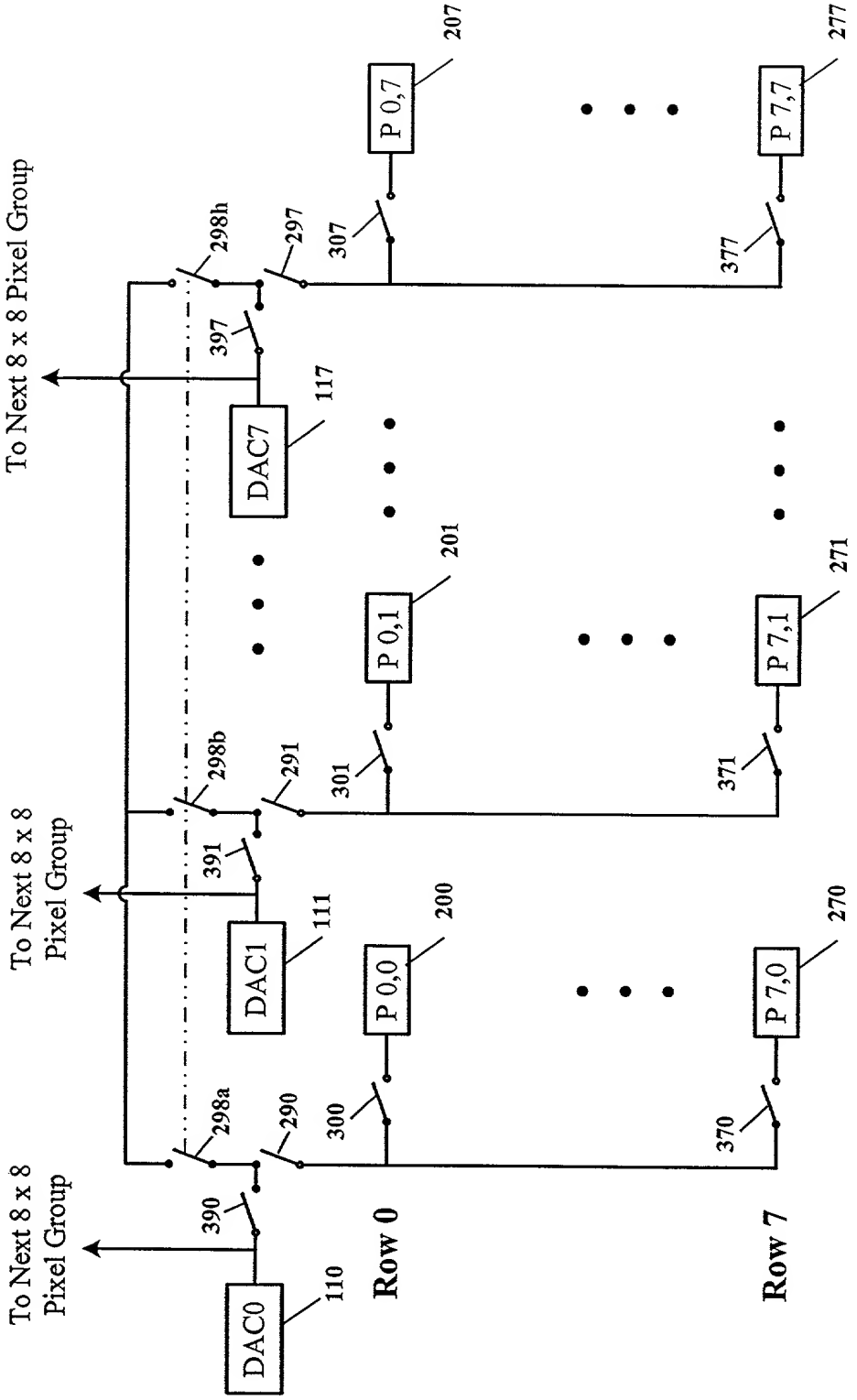
To Next 8 x 8 Pixel Group
To Next 8 x 8 Pixel Group
To Next 8 x 8 Pixel Group
DAC0
DAC1
DAC7
110
111
117
390
391
397
298a
298b
298h
290
291
297
300
301
307
370
371
377
P 0,0
P 0,1
P 0,7
P 7,0
P 7,1
P 7,7
200
201
207
270
271
277
Row 0
Row 7
Column 0
Column 1
Column 7

FIGURE 3

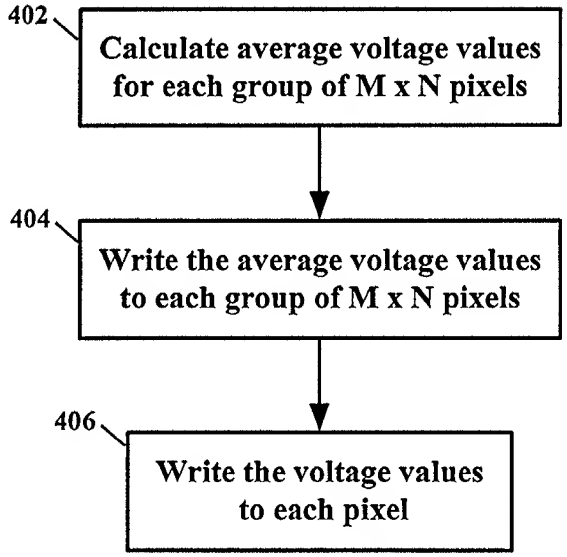

FIGURE 4

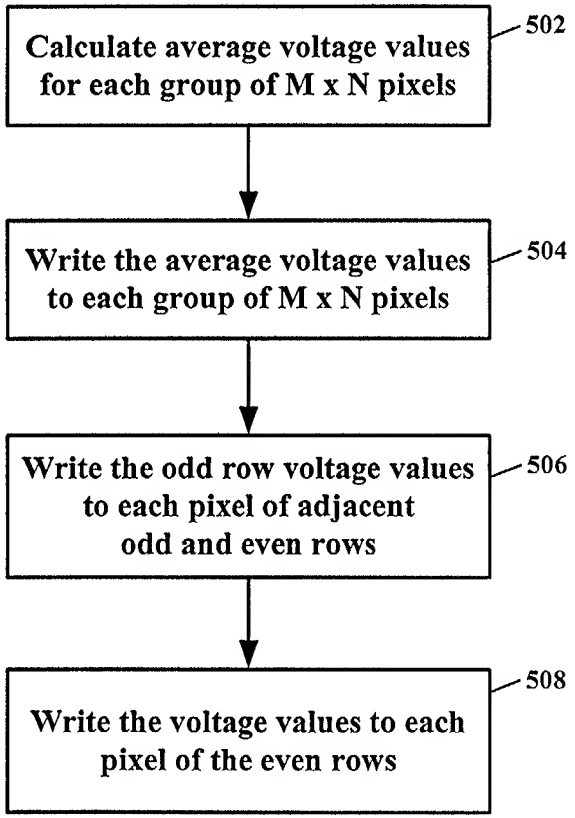

FIGURE 5

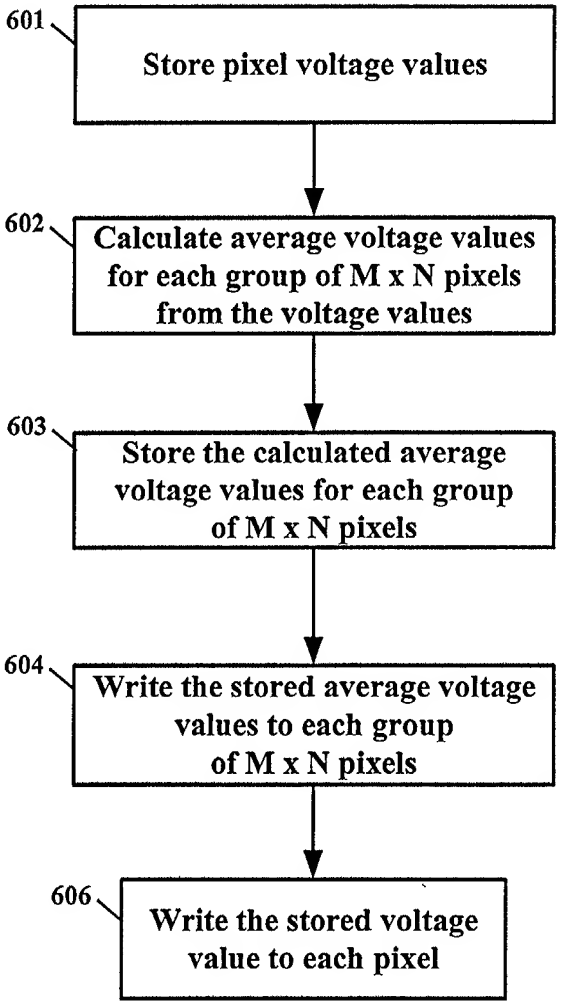

FIGURE 6

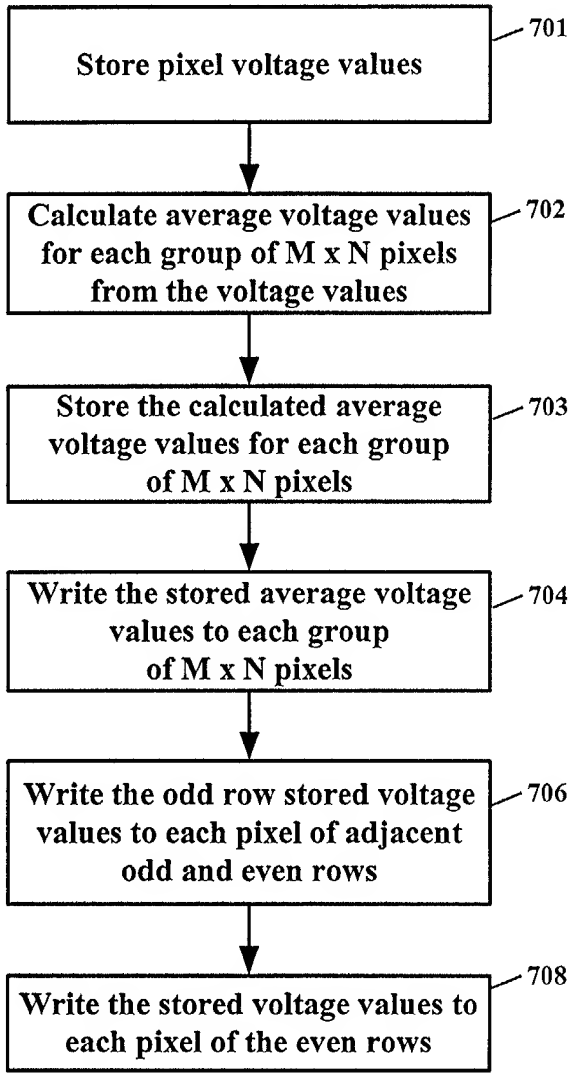

FIGURE 7

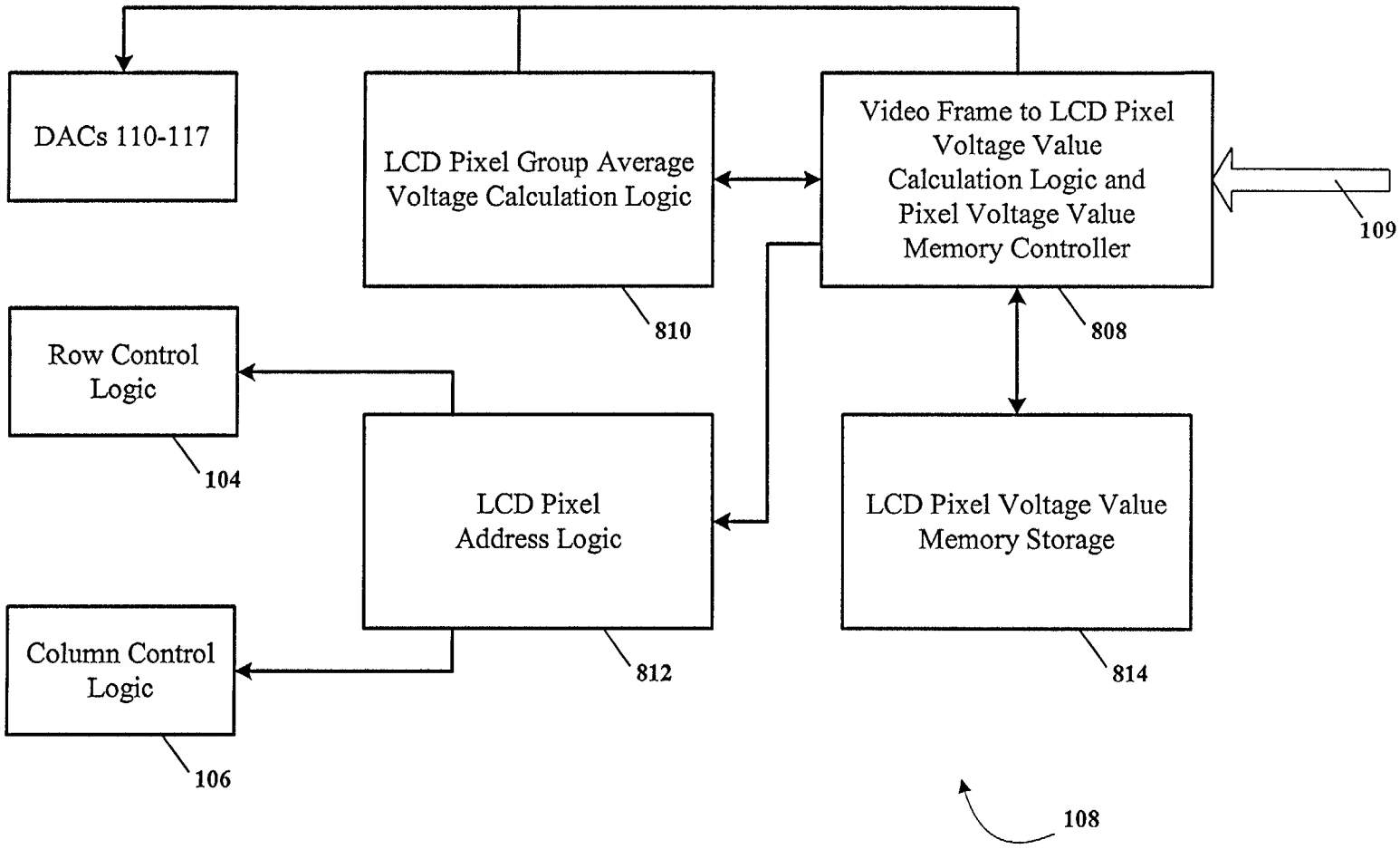
DACs 110-117
LCD Pixel Group Average Voltage Calculation Logic
Video Frame to LCD Pixel Voltage Value Calculation Logic and Pixel Voltage Value Memory Controller
109
810
808
Row Control Logic
104
LCD Pixel Address Logic
LCD Pixel Voltage Value Memory Storage
Column Control Logic
106
812
814
108

FIGURE 8